Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/22/2020 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124565	-1	2.04	124626	2.04
Blue	F	SSC	125000	123310	-2	2.43	124079	2.44
Blue	E	FITC	15892	15392	-4	2.99	335	20.64
Blue	D	PE	29999	28961	-4	2.18	630	15.33
Blue	B	PerCP-Cy5-5	43732	43432	-1	3.89	1165	20.72
Blue	A	PE-Cy7	30845	30920	0	6.29	591	42.56
Red	C	APC	46112	45262	-2	2.54	1602	12.00
Red	A	APC-Cy7	30458	29750	-3	2.44	785	11.91
Violet	B	V450	7918	7597	-5	3.96	427	12.88
Violet	A	V500	32171	30875	-5	3.75	720	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17529	8.00	630	9	N/A	N/A	Pass
Blue	F	SSC	56209	1.82	569	10	N/A	N/A	Pass
Blue	E	FITC	62	64.02	548	5	0.0186	111	Pass
Blue	D	PE	131	51.01	553	5	0.1456	245	Pass
Blue	B	PerCP-Cy5-5	215	50.72	662	6	0.0088	60	Pass
Blue	A	PE-Cy7	109	105.90	705	7	0.0100	16	Pass
Red	C	APC	380	25.01	585	1	0.0251	150	Pass
Red	A	APC-Cy7	174	27.86	557	1	0.0055	651	Pass
Violet	B	V450	65	58.01	461	3	0.0516	1912	Pass
Violet	A	V500	108	35.11	477	3	0.0240	1065	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.33	-32.70	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.96	13.60 - 20.40	N/A	N/A	30.10	30.66	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10230

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments